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LITERATURE SUMMARY

TB NAAT performance

The table summarizes the sensitivity and specificity of the Amplified Mycobacterium tuberculosis Direct Test (MTD, Hologic-Gen-Probe) and the Gene Xpert MTB-RIF assay (Cepheid, Inc) for detection of M. tuberculosis nucleic acid in primarily respiratory specimens.

NAAT	Specimens n=	Sensitivity	Specificity	Ref
MTD	1,151 resp.	91.7% overall 98.7 % smear pos 62.2 % smear neg	98.7 % overall 97.8% smear pos 98.9% smear neg	1
MTD	162 resp +non-resp	97.3% overall	87.1.% overall	2
Gene Xpert		90.9% overall	89.0%	2
Gene Xpert	107 resp	100% smear pos 71.7% smear neg	100%	3
Gene Xpert	85 resp	75.3% smear neg	100%	4
MTD	31 resp 4 resp	93.5% smear pos 75% smear neg		5
Gene Xpert	217 resp	98% smear pos 72% smear neg		6
Gene Xpert	27 35	100% smear-pos 68.6% smear neg		7

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